OBSERVATIONS & RECOMMENDATIONS

After reviewing data collected from **CRESCENT LAKE** the program coordinators recommend the following actions.

FIGURE INTERPRETATION

- Figure 1: These graphs illustrate concentrations of chlorophyll-a in the water column. Algae are microscopic plants that are a natural part of lake ecosystems. Algae contain chlorophyll-a, a pigment necessary for photosynthesis. A measure of chlorophyll-a can indicate the abundance of algae in a lake. The historical data (the bottom graph) show a *fairly stable, but slightly worsening*, in-lake chlorophyll-a trend. Concentrations have increased since 1995; this year's average was at the New Hampshire mean reference line. The chlorophyll-a concentration may have increased this summer due to the above normal rainfall. Increased rainfall can lead to increased runoff and phosphorus loading from the watershed. While algae are present in all lakes, an excess amount of any type is not welcomed. Concentrations can increase when there are external and internal sources of phosphorus, which is the nutrient algae depend upon for growth. It's important to continue the education process and keep residents aware of the sources of phosphorus and how it influences lake quality.

- Figure 2: Water clarity is measured by using a Secchi disk. Clarity, or transparency, can be influenced by such things as algae, sediments from erosion, and natural colors of the water. The graphs on this page show historical and current year data. The lower graph shows a *slightly worsening* trend in lake transparency. The decrease in transparency in July was caused by the increase in chlorophyll-a concentrations. This year's mean transparency was below the state mean of almost 800 lakes. The 2000 sampling season was considered to be wet and, therefore, average transparency readings are expected to be slightly lower than last year's readings. Higher amounts of rainfall usually cause more eroding of sediments into the lake and streams, thus decreasing clarity.

- Figure 3: These figures show the amounts of phosphorus in the epilimnion (the upper layer in the lake) and the hypolimnion (the lower layer); the inset graphs show current year data. Phosphorus is the limiting nutrient for plants and algae in New Hampshire waters.

Too much phosphorus in a lake can lead to increases in plant growth over time. These graphs show a *stable* trend for in-lake phosphorus levels. Phosphorus concentrations in the hypolimnion decreased from last year and remained relatively stable throughout the summer. The epilimnetic phosphorus was slightly increased from the 1999 data. Both layers had mean phosphorus concentrations below the state median for total phosphorus. One of the most important approaches to reducing phosphorus levels is educating the public. Humans introduce phosphorus to lakes by several means: fertilizing lawns, septic system failures, and detergents containing phosphates are just a few. Keeping the public aware of ways to reduce the input of phosphorus to lakes means less productivity in the lake. Contact the VLAP coordinator for tips on educating your lake residents or for ideas on testing your watershed for phosphorus inputs.

OTHER COMMENTS

- In 2000, small amounts of the blue-green alga *Anabaena* were observed in the plankton sample (Table 2). Blue-green algae can reach nuisance levels when sufficient nutrients and favorable environmental conditions are present. While overall algal abundance continues to be common in the lake, the presence of these indicator species should serve as a reminder of the lake's delicate balance. Continued care to protect the watershed by limiting or eliminating fertilizer use on lawns, keeping the lake shoreline natural, and properly maintaining septic systems and roads will keep algae populations in balance.

- In-lake and tributary conductivity levels were lower this year than in 1999 (Table 6). The largest reduction in conductivity in 2000 occurred at the West Inlet sites. Conductivity was particularly low this year, most likely as a result of the excess rains, which tend to remove pollutants from the surface waters. Conductivity increases often indicate the influence of human activities on surface waters. Septic system leachate, agricultural runoff, iron deposits, and road runoff can each influence conductivity readings.

- Several sites experienced lower total phosphorus concentrations during the 2000 sampling season, including the Northeast Inlet, West Inlet North, and West Inlet South (Table 8). The West Inlet sites had the lowest mean values recorded at those stations since 1993. Again, it is likely that the rains this year helped to flush excess nutrients from the inlets and into the epilimnion.

- Dissolved oxygen was low at the bottom three meters of the lake in September (Table 9). The process of decomposition in the sediments depletes dissolved oxygen on the bottom of thermally stratified lakes. As bacteria break down organic matter, they deplete oxygen in the

water. Lower oxygen levels in the hypolimnion usually occur as the summer progresses.

- *E. coli* originates in the intestines of warm-blooded animals (including humans) and is an indicator of associated and potentially harmful pathogens. Bacteria concentrations were all very low at the sites tested (Table 12). If residents are concerned about septic system impacts, testing when the water table is high or after rains may yield the best results. Please consult the Other Monitoring Parameters section of the report for the current standards for *E. coli* in surface waters.

- After viewing the in-lake dissolved oxygen profile in Table 9, we suggest that only two samples should be collected at the deep spot instead of three. We suggest using the depths of 2- and 6-meters, with a chlorophyll-a composite beginning at 4-meters.

NOTES

- Monitor's Note (6/13/00): Shorewood had low flow, shallow. W. Inlet South had shallow flow where sampling was possible. Dam Outlet sampling spot was to the side of flow as it was not possible to get close enough for a full flow catch.

- Monitor's Note (9/7/00): Notice accumulation of bottom sediment washed up on shore near N.E. Inlet (picture taken). New house built on East side near N.E. Inlet. Sluice boards on dam are set about 3 inches below cement work of dam. Shorewood Inlet dry.

USEFUL RESOURCES

Proper Lawn Care Can Protect Waters, WD-BB-31, NHDES Fact Sheet, (603) 271-3503 or www.state.nh.us

Anthropogenic Phosphorus and New Hampshire Waterbodies, NHDES-WSPCD-95-6, NHDES Booklet, (603) 271-3503

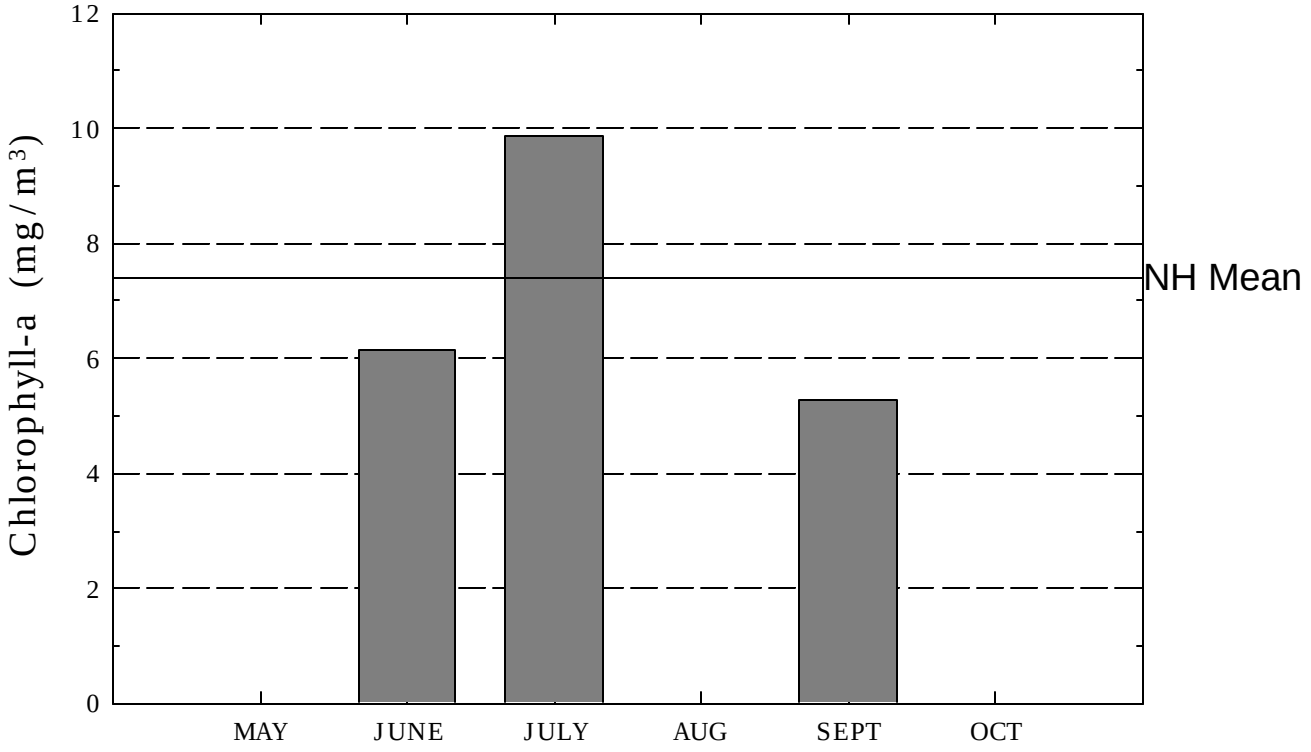
The Blue Green Algae. North American Lake Management Society, 1989. (608) 233-2836 or www.nalms.org

Aquatic Plants and Their Role in Lake Ecology, WD-BB-44, NHDES Fact Sheet, (603) 271-3503 or www.state.nh.us

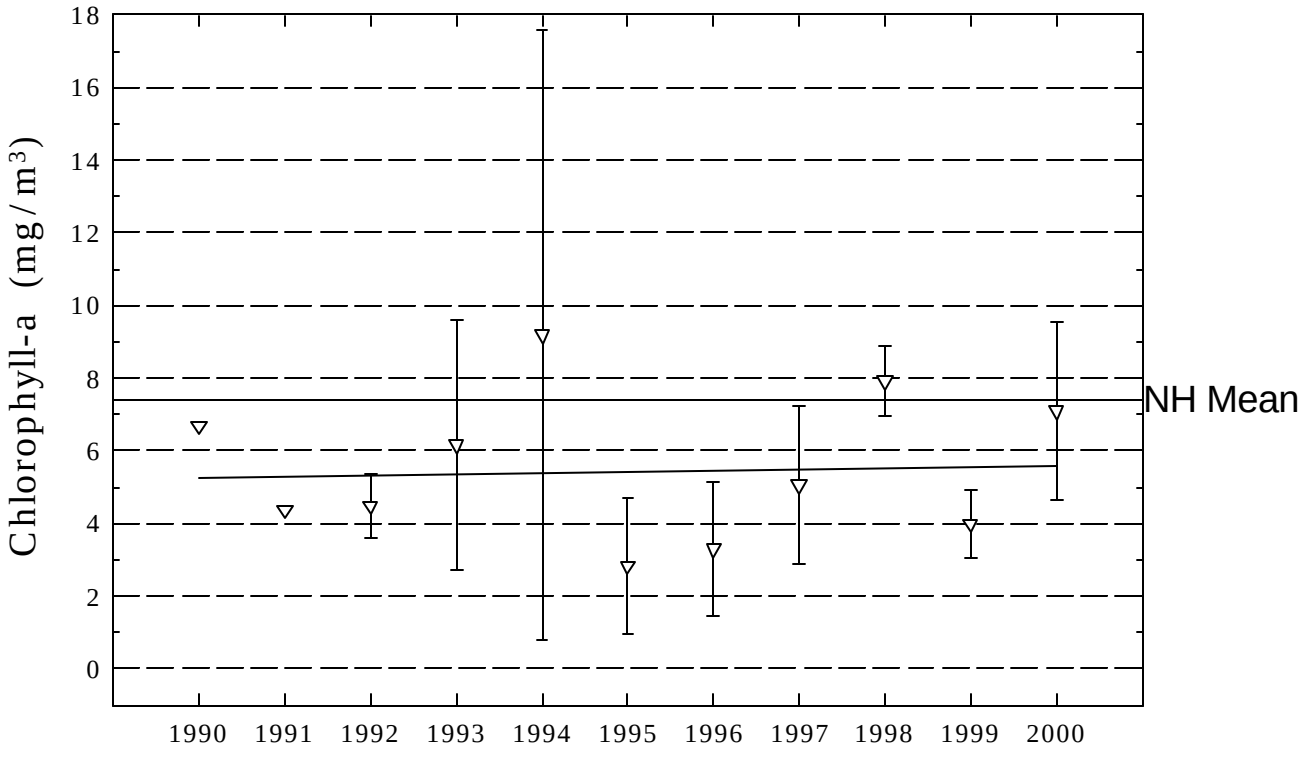
Answers to Common Lake Questions, NHDES-WSPCD-92-12, NHDES Booklet, (603) 271-3503.

Crescent Lake

Figure 1. Monthly and Historical Chlorophyll-a Results



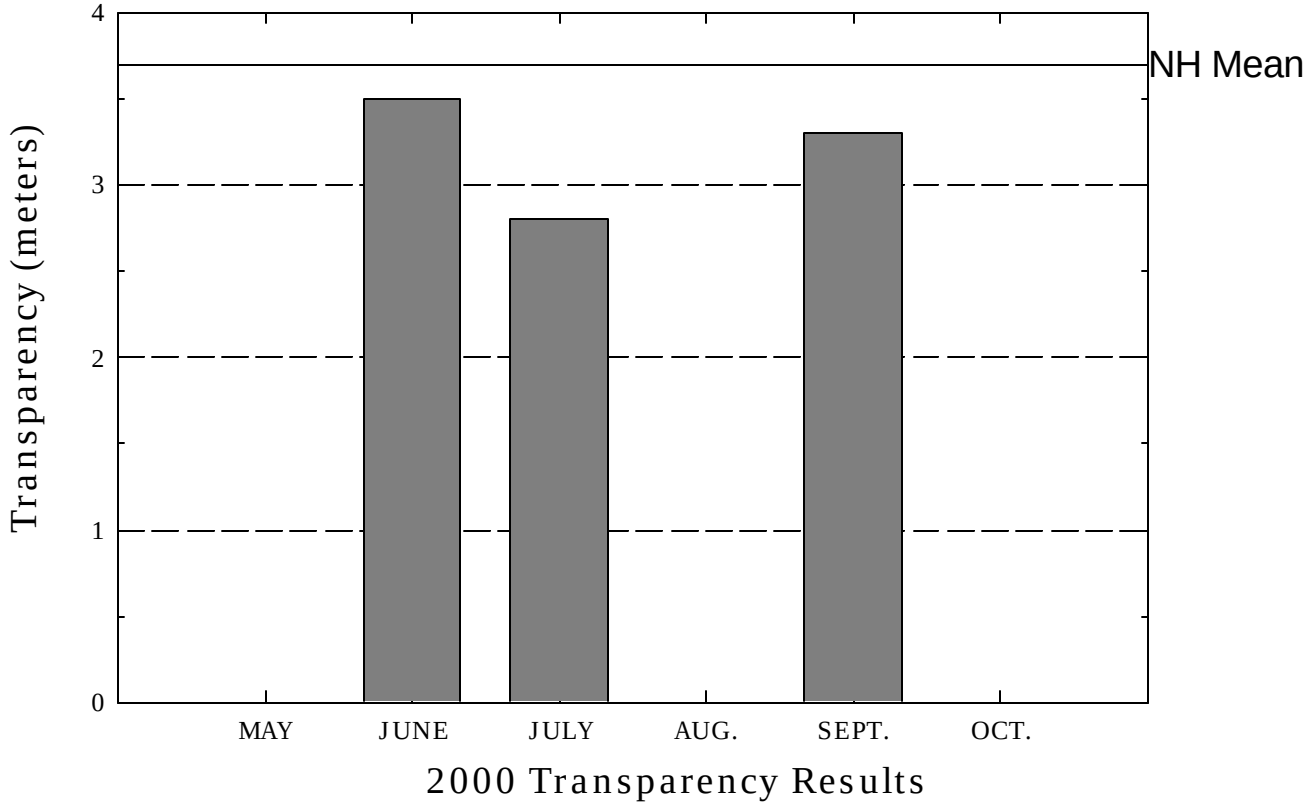
2000 Chlorophyll-a Results

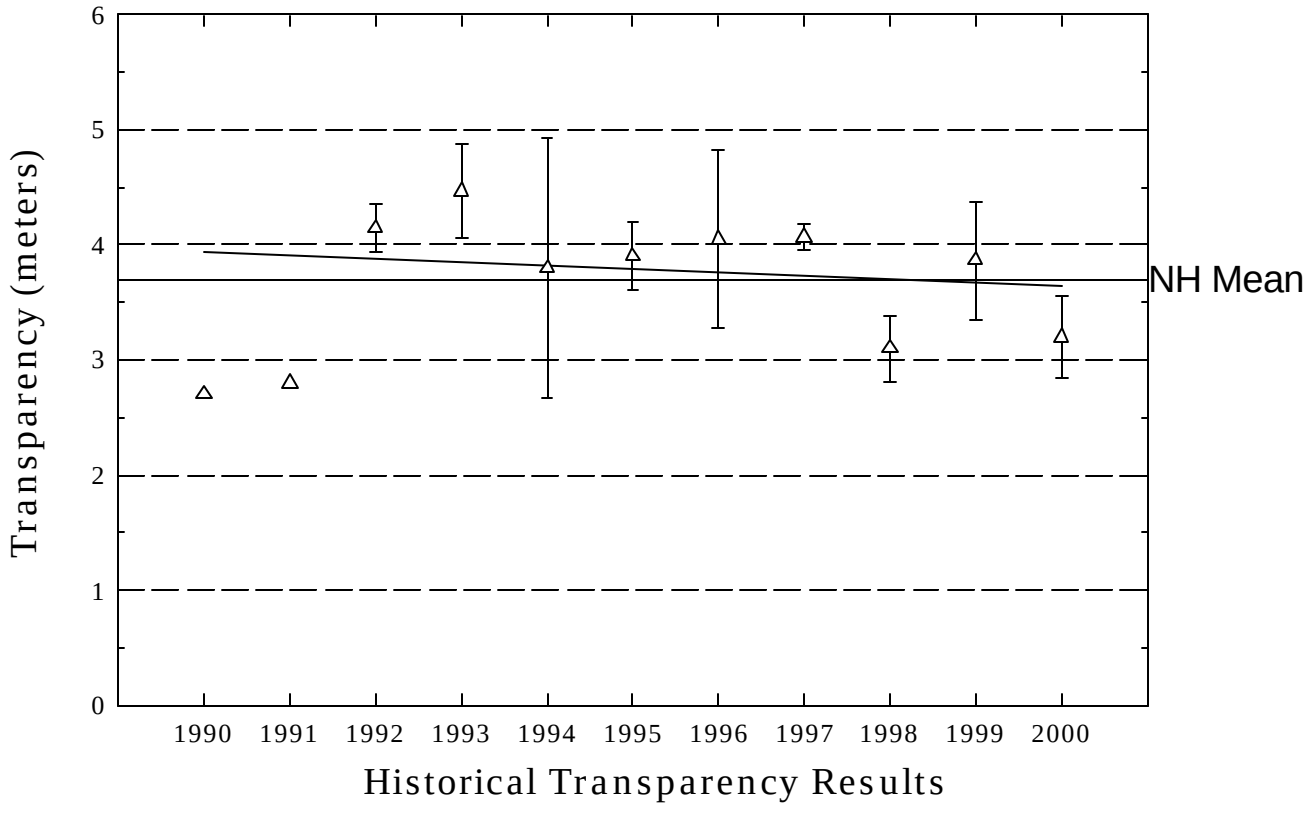


Historical Chlorophyll-a Results

Crescent Lake

Figure 2. Monthly and Historical Transparency Results





Crescent Lake

Figure 3. Monthly and Historical Total Phosphorus Data.

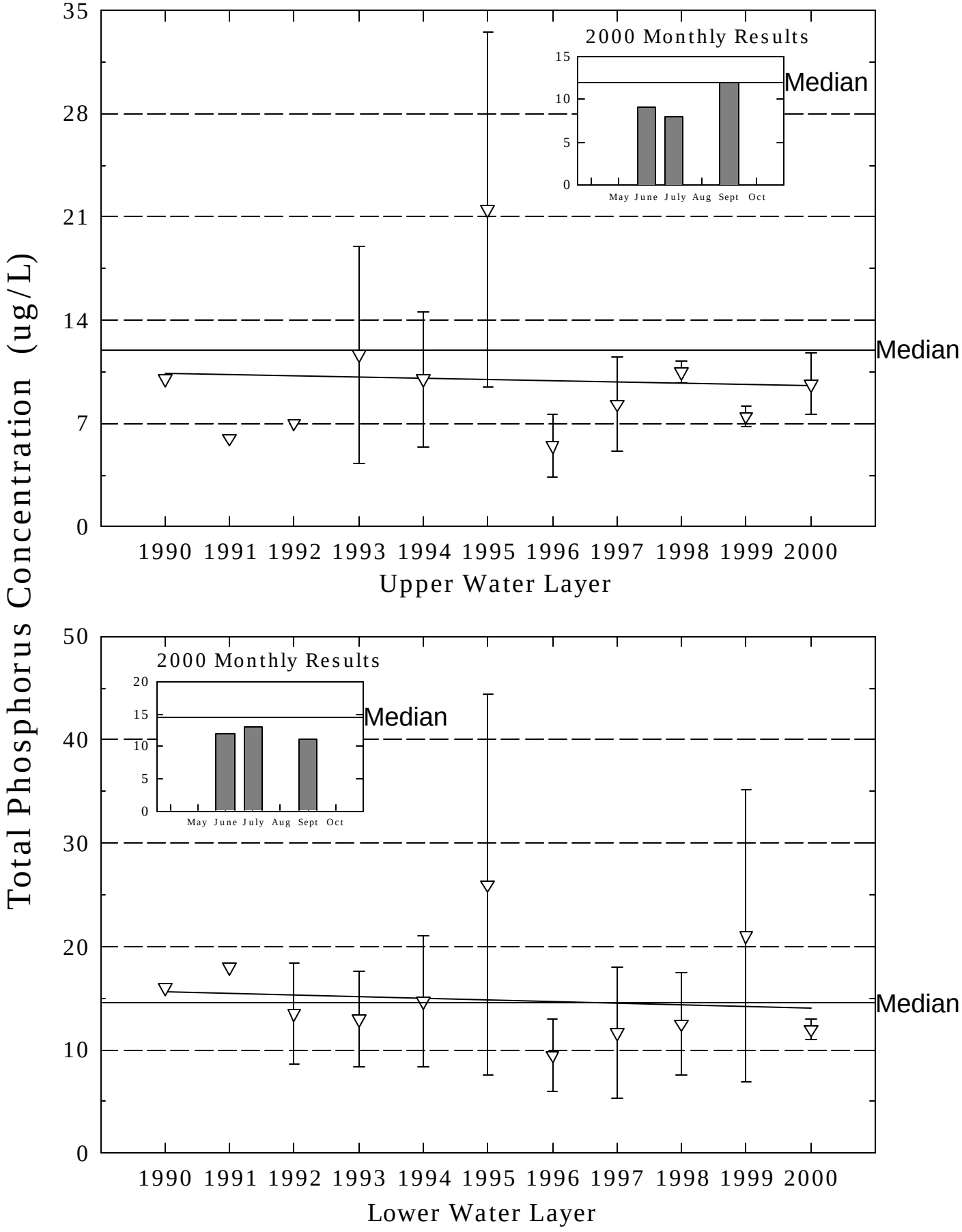


Table 1.

CRESCENT LAKE
ACWORTH

Chlorophyll-a results (mg/m^3) for current year and historical sampling periods.

Year	Minimum	Maximum	Mean
1990	6.68	6.68	6.68
1991	4.39	4.39	4.39
1992	3.84	5.10	4.47
1993	2.18	8.44	6.16
1994	3.27	15.11	9.19
1995	1.02	4.74	2.82
1996	2.01	4.60	3.30
1997	2.58	6.71	5.06
1998	0.17	8.60	5.34
1999	2.89	4.52	4.11
2000	5.28	9.88	7.10

Table 2.

CRESCENT LAKE

ACWORTH

Phytoplankton species and relative percent abundance.

Summary for current and historical sampling seasons.

Date of Sample	Species Observed	Relative % Abundance
08/21/1990	CHRYSOSPHAERELLA	96
07/31/1991	CHRYSOSPHAERELLA	91
07/07/1992	CHRYSOSPHAERELLA	70
	ASTERIONELLA	15
08/05/1992	CHRYSOSPHAERELLA	56
	PERIDINIUM	16
	TABELLARIA	10
06/17/1993	ASTERIONELLA	38
	DINOBRYON	26
	ANABAENA	24
07/30/1993	CHRYSOSPHAERELLA	98
06/13/1994	DINOBRYON	83
	ASTERIONELLA	12
09/08/1994	TABELLARIA	28
	CHRYSOSPHAERELLA	18
	DINOBRYON	14
05/31/1995	RHIZOSOLENIA	54
	DINOBRYON	22
	ASTERIONELLA	17
05/30/1996	SYNURA	32
	TABELLARIA	18
	ASTERIONELLA	15
05/28/1997	DINOBRYON	83
	TABELLARIA	10
	ASTERIONELLA	8

Table 2.

CRESCENT LAKE

ACWORTH

Phytoplankton species and relative percent abundance.

Summary for current and historical sampling seasons.

Date of Sample	Species Observed	Relative % Abundance
08/26/1998	CHRYSOSPHAERELLA	71
	TABELLARIA	26
	DINOBRYON	3
06/09/1999	ASTERIONELLA	70
	SYNURA	8
	UROGLENOPSIS	6
09/07/2000	CHRYSOSPHAERELLA	55
	DINOBRYON	33
	ANABAENA	6

Table 3.

CRESCENT LAKE

ACWORTH

Summary of current and historical Secchi Disk transparency results (in meters).

Year	Minimum	Maximum	Mean
1990	2.7	2.7	2.7
1991	2.8	2.8	2.8
1992	4.0	4.3	4.1
1993	4.1	4.9	4.4
1994	3.0	4.6	3.8
1995	3.6	4.2	3.9
1996	3.5	4.6	4.0
1997	4.0	4.2	4.0
1998	2.9	3.3	3.1
1999	3.3	4.3	3.9
2000	2.8	3.5	3.2

Table 4.

CRESCENT LAKE

ACWORTH

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
BEDITA BROOK				
	1993	5.36	5.36	5.36
DAM OUTLET				
	1990	6.24	6.24	6.24
	1991	6.60	6.60	6.60
	1992	6.38	6.38	6.38
	1993	6.49	6.77	6.63
	1994	6.31	6.45	6.39
	1995	6.57	6.61	6.59
	1996	6.16	6.68	6.35
	1997	6.32	6.65	6.42
	1998	6.61	6.64	6.63
	1999	6.36	6.58	6.49
	2000	6.53	6.59	6.57
EPILIMNION				
	1990	6.16	6.16	6.16
	1991	6.63	6.63	6.63
	1992	5.66	6.68	5.92
	1993	6.48	6.76	6.63
	1994	6.32	6.55	6.44
	1995	6.46	6.69	6.55
	1996	6.12	6.74	6.33
	1997	6.50	7.10	6.68
	1998	6.65	6.75	6.68
	1999	6.35	6.83	6.54

Table 4.

CRESCENT LAKE

ACWORTH

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
	2000	6.56	6.58	6.57
HART PROPERTY				
	1993	6.19	6.19	6.19
HORSE FARM BROOK				
	1993	6.98	6.98	6.98
HYPOLIMNION				
	1990	5.99	5.99	5.99
	1991	5.95	5.95	5.95
	1992	5.91	6.11	6.00
	1993	6.28	6.50	6.39
	1994	5.76	6.27	5.99
	1995	6.11	6.53	6.28
	1996	5.82	6.33	6.00
	1997	6.00	6.54	6.20
	1998	6.07	6.56	6.21
	1999	5.83	6.22	6.02
	2000	5.93	6.43	6.08
METALIMNION				
	1992	6.35	6.35	6.35
	1996	6.14	6.14	6.14
	1999	6.01	6.55	6.32
	2000	6.37	6.65	6.49

Table 4.

CRESCENT LAKE

ACWORTH

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
NORTHEAST INLET				
	1990	6.47	6.47	6.47
	1991	6.60	6.60	6.60
	1992	6.38	6.38	6.38
	1993	6.59	6.60	6.60
	1994	6.26	6.40	6.32
	1995	6.30	6.53	6.40
	1996	6.14	6.65	6.32
	1997	5.94	6.44	6.14
	1998	6.26	6.66	6.48
	1999	6.32	6.32	6.32
	2000	6.49	6.79	6.57
SHOREWOOD AT DOCK				
	1993	6.61	6.61	6.61
SHOREWOOD INLET				
	1990	6.35	6.35	6.35
	1991	6.70	6.70	6.70
	1992	6.45	6.45	6.45
	1993	6.17	6.17	6.17
	1994	5.69	6.57	5.94
	1995	6.04	6.04	6.04
	1996	5.92	5.92	5.92
	1997	6.09	6.09	6.09
	2000	6.19	6.19	6.19

Table 4.

CRESCENT LAKE

ACWORTH

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
WEST INLET CONSTRUCT				
	1999	6.08	6.08	6.08
WEST INLET NORTH				
	1993	6.19	6.47	6.31
	1994	5.82	6.30	6.03
	1995	6.00	6.54	6.19
	1996	5.78	6.42	5.99
	1997	6.02	6.31	6.10
	1998	6.11	6.28	6.19
	1999	5.83	6.61	6.21
	2000	6.05	6.38	6.18
WEST INLET SOUTH				
	1993	6.36	6.36	6.36
	1994	5.71	6.22	5.88
	1995	6.01	6.62	6.22
	1996	5.85	6.59	6.08
	1997	5.99	6.41	6.11
	1998	6.16	6.64	6.29
	1999	6.02	6.43	6.18
	2000	6.16	6.58	6.27
WEST INLET				
	1990	6.11	6.11	6.11
	1991	6.80	6.80	6.80
	1992	6.26	6.26	6.26
	1993	6.82	6.82	6.82

Table 5.

CRESCENT LAKE

ACWORTH

Summary of current and historical Acid Neutralizing Capacity.
Values expressed in mg/L as CaCO .

Epilimnetic Values

Year	Minimum	Maximum	Mean
1990	2.50	2.50	2.50
1991	3.00	3.00	3.00
1992	2.50	3.40	2.95
1993	2.90	3.80	3.43
1994	2.60	5.50	3.77
1995	3.00	4.40	3.63
1996	1.70	3.50	2.60
1997	2.70	3.00	2.80
1998	3.40	4.10	3.75
1999	2.80	4.40	3.28
2000	2.80	4.20	3.50

Table 6.

CRESCENT LAKE
ACWORTH

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
BEDITA BROOK				
	1993	25.1	25.1	25.1
DAM OUTLET				
	1990	30.0	30.0	30.0
	1991	39.0	39.0	39.0
	1992	35.6	35.6	35.6
	1993	36.1	39.3	37.9
	1994	36.2	37.0	36.4
	1995	40.1	44.9	42.5
	1996	36.5	37.9	37.2
	1997	34.8	38.6	37.3
	1998	40.3	41.6	41.1
	1999	42.9	44.8	44.1
	2000	39.6	41.1	40.4
EPILIMNION				
	1990	29.8	29.8	29.8
	1991	37.6	37.6	37.6
	1992	39.0	39.2	39.1
	1993	35.7	38.0	37.1
	1994	35.8	37.0	36.3
	1995	40.1	46.1	43.5
	1996	35.9	37.6	36.7
	1997	34.9	38.9	37.5
	1998	40.3	41.7	41.2
	1999	41.8	44.7	43.9
	2000	39.7	41.4	40.5

Table 6.

CRESCENT LAKE
ACWORTH

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
HART PROPERTY				
	1993	54.5	54.5	54.5
HORSE FARM BROOK				
	1993	85.0	85.0	85.0
HYPOLIMNION				
	1990	31.9	31.9	31.9
	1991	42.9	42.9	42.9
	1992	35.3	42.7	39.0
	1993	36.1	38.4	37.5
	1994	39.0	84.9	56.1
	1995	41.3	46.2	43.9
	1996	37.3	37.8	37.5
	1997	34.8	39.7	37.8
	1998	41.5	49.9	46.0
	1999	44.3	55.2	52.4
	2000	41.7	44.7	42.7
METALIMNION				
	1992	39.6	39.6	39.6
	1996	36.8	36.8	36.8
	1999	42.2	44.6	44.0
	2000	39.6	41.3	40.5
NORTHEAST INLET				
	1990	29.1	29.1	29.1
	1991	49.8	49.8	49.8
	1992	49.2	49.2	49.2

Table 6.

CRESCENT LAKE
ACWORTH

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
	1993	50.5	53.0	51.7
	1994	40.1	52.9	47.5
	1995	51.4	70.3	60.8
	1996	45.4	59.2	52.3
	1997	49.1	70.8	61.9
	1998	63.1	70.4	67.6
	1999	60.4	60.4	60.4
	2000	47.2	62.3	56.5
SHOREWOOD AT DOCK				
	1993	38.0	38.0	38.0
SHOREWOOD INLET				
	1990	30.3	30.3	30.3
	1991	38.6	38.6	38.6
	1992	35.6	35.6	35.6
	1993	32.7	32.7	32.7
	1994	32.8	36.0	34.4
	1995	35.1	35.1	35.1
	1996	31.6	31.6	31.6
	1997	34.9	34.9	34.9
	2000	33.5	33.5	33.5
WEST INLET CONSTRUCT				
	1999	192.4	192.4	192.4
WEST INLET NORTH				
	1993	34.7	52.1	43.4
	1994	34.3	49.9	43.9
	1995	36.2	61.7	48.9

Table 6.

CRESCENT LAKE

ACWORTH

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
	1996	38.7	58.7	48.7
	1997	37.7	51.9	43.6
	1998	41.4	46.7	44.0
	1999	48.0	159.6	98.2
	2000	36.6	46.8	40.4
WEST INLET SOUTH				
	1993	36.0	36.0	36.0
	1994	33.3	50.4	42.0
	1995	41.1	63.4	52.2
	1996	40.2	59.5	49.8
	1997	41.1	52.9	45.4
	1998	42.8	56.7	48.8
	1999	50.5	161.8	106.1
	2000	37.9	47.5	41.8
WEST INLET				
	1990	30.5	30.5	30.5
	1991	46.7	46.7	46.7
	1992	31.9	31.9	31.9
	1993	56.4	56.4	56.4

Table 8.

CRESCENT LAKE

ACWORTH

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
BEDITA BROOK				
	1993	46	46	46
DAM OUTLET				
	1990	15	15	15
	1991	8	8	8
	1992	6	6	6
	1993	4	23	14
	1994	6	25	14
	1995	6	18	11
	1996	3	11	7
	1997	5	16	9
	1998	7	12	9
	1999	7	7	7
	2000	8	10	9
EPILIMNION				
	1990	10	10	10
	1991	6	6	6
	1992	7	7	7
	1993	6	20	11
	1994	5	14	10
	1995	13	30	21
	1996	4	7	5
	1997	6	12	8
	1998	10	13	11
	1999	7	8	7
	2000	8	12	9

Table 8.

CRESCENT LAKE

ACWORTH

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
HART PROPERTY				
	1993	26	26	26
HORSE FARM BROOK				
	1993	51	51	51
HYPOLIMNION				
	1990	16	16	16
	1991	18	18	18
	1992	10	17	13
	1993	9	18	13
	1994	11	22	14
	1995	13	39	26
	1996	7	12	9
	1997	8	19	11
	1998	9	16	13
	1999	11	31	21
	2000	11	13	12
METALIMNION				
	1992	12	12	12
	1996	3	3	3
	1997	3	3	3
	1999	8	9	8
	2000	8	18	11
NORTHEAST INLET				
	1990	13	13	13
	1991	18	18	18
	1992	15	15	15

Table 8.

CRESCENT LAKE

ACWORTH

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
	1993	12	25	18
	1994	14	28	21
	1995	12	43	22
	1996	5	29	17
	1997	9	26	15
	1998	12	28	18
	1999	28	28	28
	2000	10	15	13
SHOREWOOD AT DOCK				
	1993	10	10	10
SHOREWOOD INLET				
	1990	42	42	42
	1991	6	6	6
	1992	10	10	10
	1993	84	84	84
	1994	15	34	24
	1995	22	22	22
	1996	19	19	19
	1997	22	22	22
	2000	22	22	22
WEST INLET NORTH				
	1993	31	46	38
	1994	23	47	36
	1995	12	71	38
	1996	5	28	16
	1997	12	45	26

Table 8.

CRESCENT LAKE

ACWORTH

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
	1998	10	20	15
	1999	50	50	50
	2000	9	19	14
WEST INLET SOUTH				
	1993	30	30	30
	1994	26	54	41
	1995	12	68	40
	1996	4	31	17
	1997	15	40	24
	1998	10	35	22
	1999	46	46	46
	2000	10	22	15
WEST INLET				
	1990	19	19	19
	1991	30	30	30
	1992	26	26	26
	1993	39	39	39

Table 9.

CRESCENT LAKE

ACWORTH

Current year dissolved oxygen and temperature data.

Depth (meters)	Temperature (celsius)	Dissolved Oxygen (mg/L)	Saturation (%)
		September 7, 2000	
0.1	20.2	7.6	83.9
1.0	20.0	7.6	83.1
2.0	19.9	7.5	82.8
3.0	19.8	6.7	73.6
4.0	19.3	6.2	67.3
5.0	17.5	0.6	6.1
6.0	14.7	0.7	6.6
7.0	12.8	0.8	7.8

Table 10.

CRESCENT LAKE

ACWORTH

Historic Hypolimnetic dissolved oxygen and temperature data.

Date	Depth (meters)	Temperature (celsius)	Dissolved Oxygen (mg/L)	Saturation (%)
August 21, 1990	6.5	13.4	-0.5	-4.8
July 31, 1991	6.5	14.0	0.2	1.9
July 7, 1992	6.5	10.1	0.5	4.0
August 5, 1992	6.5	11.7	0.1	0.9
June 17, 1993	7.0	10.0	0.8	7.0
July 30, 1993	6.5	14.8	0.2	2.0
June 13, 1994	7.0	11.0	1.3	12.0
September 8, 1994	6.2	14.6	0.2	2.0
May 31, 1995	7.0	10.4	1.8	16.0
September 14, 1995	7.0	13.5	0.2	2.0
May 30, 1996	7.0	9.5	3.8	32.0
May 28, 1997	7.0	11.3	5.3	48.0
August 26, 1998	7.0	14.0	0.3	3.0
June 9, 1999	6.5	11.7	0.6	6.0
September 7, 2000	7.0	12.8	0.8	7.8

Table 11.

CRESCENT LAKE

ACWORTH

Summary of current year and historic turbidity sampling.
Results in NTU's.

Station	Year	Minimum	Maximum	Mean
DAM OUTLET				
	1994	1.0	1.0	1.0
	1995	0.8	0.8	0.8
	1996	0.8	0.8	0.8
	1997	0.3	0.9	0.5
	1998	0.8	4.6	2.2
	1999	0.4	1.3	0.9
	2000	0.7	0.9	0.8
EPILIMNION				
	1994	1.4	1.4	1.4
	1995	0.9	1.9	1.4
	1996	0.9	0.9	0.9
	1997	0.4	0.8	0.6
	1998	0.9	4.1	2.2
	1999	0.3	1.2	0.8
	2000	0.6	0.8	0.7
HYPOLIMNION				
	1994	2.4	2.4	2.4
	1995	0.7	1.8	1.2
	1996	0.9	0.9	0.9
	1997	0.4	1.1	0.6
	1998	1.4	2.8	2.0
	1999	0.5	8.9	4.3
	2000	0.7	1.4	0.9
METALIMNION				
	1999	0.4	1.2	0.8

Table 11.

CRESCENT LAKE
ACWORTH

Summary of current year and historic turbidity sampling.
Results in NTU's.

Station	Year	Minimum	Maximum	Mean
	2000	0.8	0.8	0.8
NORTHEAST INLET				
	1994	1.7	1.7	1.7
	1995	1.4	1.4	1.4
	1996	1.8	1.8	1.8
	1997	0.5	0.5	0.5
	1998	0.9	2.3	1.5
	1999	1.0	1.0	1.0
	2000	0.7	1.2	0.9
SHOREWOOD INLET				
	1997	0.5	0.5	0.5
	2000	0.6	0.6	0.6
WEST INLET CONSTRUCT				
	1999	4.2	4.2	4.2
WEST INLET NORTH				
	1994	6.0	6.0	6.0
	1995	4.6	4.6	4.6
	1996	5.0	5.0	5.0
	1997	0.7	3.1	1.9
	1998	1.1	3.2	2.1
	1999	1.1	4.1	3.0
	2000	0.9	2.2	1.5
WEST INLET SOUTH				
	1994	7.1	7.1	7.1
	1995	5.0	5.0	5.0
	1996	4.5	4.5	4.5
	1997	0.6	2.4	1.4

Table 11.

CRESCENT LAKE

ACWORTH

Summary of current year and historic turbidity sampling.
Results in NTU's.

Station	Year	Minimum	Maximum	Mean
	1998	0.9	5.0	3.0
	1999	0.8	0.8	0.8
	2000	0.6	2.2	1.3

Table 12.

CRESCENT LAKE

ACWORTH

Summary of current year bacteria sampling.
Results in counts per 100ml.

Location	Date	E. Coli See Note Below
DAM OUTLET		
	June 13	3
	July 25	0
NORTHEAST INLET		
	June 13	7
	July 25	4
	September 7	16
SHOREWOOD INLET		
	June 13	1
WEST INLET NORTH		
	June 13	30
	July 25	2
	September 7	17
WEST INLET SOUTH		
	June 13	50
	July 25	2
	September 7	15

NOTE: "<" means "less than" and ">" means "greater than"